

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the Application of:)	
)	
CARTER et al.)	
)	Group Art Unit: Unknown
Serial No.: NEW)	
)	Examiner: Unknown
Filing Date: November 24, 2003)	
)	
Title: STENT)	

* * * * *

November 24, 2003

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Post Office Box 1450
Alexandria, VA 22313-1450

Sir:

Attached is one (1) PTO-1449 sheet listing seventeen (17) U.S. patent references and seven (7) foreign references. Some of the foreign references are not written in English. While the undersigned does not read or understand any other language other than English, the undersigned provides the following statements of relevance based upon (1) abstracts of the references in English, or (2) the drawings in the references where English abstracts are not available:

- (1) JP 2003/16979 A illustrates a stent that may be extracted relatively simply after insertion. The stent has a hollow tube body 2 made of silicone rubber. Plural ribs 5, made of the same materials, are provided on the peripheral face of the body 2.
- (2) SU 1641356 illustrates a drain with a plurality of ribs extending outwardly from a central portion. The ribs appear to be helically disposed around the drain.
- (3) FR 564,832 illustrates a surgical drain. The surgical drain has a large opening that passes through its center. The surface of the drain includes helically-disposed surface protrusions.

- (4) DE 88138 describes a wound drain that has a plus-shaped cross-section. It appears that there is a small hole passing through the longitudinal center of the device. Moreover, it also appears that there are a number of semicircular holes passing laterally through the four radial extensions. One end of the drain includes a protrusion, labeled "d."
- (5) SU 1759431 A1 describes a catheter is made in the form of a rod with a through axial canal (2) and a conical working end. The outer working surface of the rod (1) is made in the transverse section in the form of a hypocycloid (4) with cutting edges (5) in its apices, which point along a spiral. When the needle is introduced, the point of its working end is directed at an angle to the site of puncture, then the needle is supinated and moved forward until transposition of the drain into the cavity of the organism. The catheter is fixed in required position. Then the needed is withdrawn.
- (6) SU 1715364 illustrates a wound drain where, on the outer surface of the pipe (1), there are four ribs (3) positioned at even intervals around its circumference. The outer side surface (4) of the pipe (1) between the ribs (3) has a concave cylindrical form. Side apertures (2) are positioned between the ribs (3).
- (7) DE 7608671 describes what appears to be a tubular draw with a necked-down region at one end.

This IDS is intended to be in full compliance with the rules, but should the Examiner find any part of its required content to have been omitted, prompt notice to that effect is earnestly solicited, along with additional time under Rule 97(f), to enable Applicant to comply fully.

Consideration of the foregoing and enclosures plus the return of a copy of the enclosed PTO-1449 Form, page 1, with the Examiner's initials in the left column per MPEP 609 are earnestly solicited along with an early action on the merits.

Respectfully submitted,

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FORM PTO-1449 (modified)
To: U.S. Department of Commerce
(PW FORM PAT-1449)
Patent and Trademark Office

Atty.
Dkt. No.

M#

Client Ref.

306195

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Applicant: Carter et al.

Appln. No.: New

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Examiner:

Group Art Unit:

U.S. PATENT DOCUMENTS

Examiner's Initials*		Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
	AR	4,550,447	11/1985	Seiler, Jr., et al.			
	BR	5,607,464	03/1997	Trescony et al.			
	CR	5,628,786	05/1997	Banas et al.			
	DR	5,653,745	08/1997	Trescony et al.			
	ER	6,124,523	09/2000	Banas et al.			
	FR	6,132,471	10/2000	Johlin, Jr.			
	GR	6,322,585 B1	11/2001	Khosravi et al.			
	HR	6,325,820 B1	12/2001	Khosravi et al.			
	IR	2001/0041929 A1	11/2001	Oopen			
	JR	2001/0051823 A1	12/2001	Khosravi et al.			
	KR	2002/0032479 A1	03/2002	Hankh et al.			
	LR	2002/0038142 A1	03/2002	Khosravi et al.			
	MR	2003/0093145 A1	05/2003	Lawrence-Brown et al.			
	NR	2003/0100859 A1	05/2003	Henderson et al.			
	OR	5,776,160	07/1998	Pasricha et al.			
	PR	5,486,191	01/1996	Pasricha et al.			
	QR	4,307,723	12/1981	Finney			
	RR	4,459,318	07/1984	Hyans			
	SR	3,821,956	07/1974	Gordhamer			

FOREIGN PATENT DOCUMENTS

		Document Number	Date MM/YYYY	Country	Inventor Name	English Abstract		Translation Readily Available	
						Enclosed	No	Enclose	No
	TR	2000316979	11/2000	Japan	Ishihara et al.	X			
	UR	189,127	05/1923	Great Britain	Hantcher				
	VR	1641356 A1	04/1991	Soviet Union			X		X
	WR	564,832	01/1924	French	Peyret et al.		X		X
	XR	88138	08/1896	German	Benner		X		X
	YR	105,038	03/1917	Great Britain	Liddell				
	ZR	0 059 620	09/1982	Europe	Blake et al.				
	AAR	1715364	02/1992	Soviet Union	Slabinskii et al.	X			
	BBR	1759431	09/1992	Soviet Union	Solovev et al.	X			
	CCR	7608671	07/1976	German	Nessler		X		X

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

DDR Gastroenterology & Endoscopy News, "Will the Winged Stent Fly?", Sept. 2003.

Examiner

Date Considered:

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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U.S. PATENT DOCUMENTS

Examiner's Initials*		Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
	AR	4,350,169	09/1982	Dutcher et al.			
	BR	4,521,210	06/1985	Wong			
	CR	4,677,143	06/1987	Laurin et al.			
	DR	4,699,611	10/1987	Bowden			
	ER	4,795,439	01/1989	Guest			
	FR	4,813,925	03/1989	Anderson			
	GR	4,846,791	07/1989	Hattler et al.			
	HR	4,973,301	11/1990	Nissenkorn			
	IR	5,167,614	12/1992	Tessmann			
	JR	5,176,626	01/1993	Soehendra			
	KR	5,246,445	09/1993	Yachia			
	LR						
	MR						
	NR						
	OR						

FOREIGN PATENT DOCUMENTS

		Document Number	Date MM/YYYY	Country	Inventor Name	English Abstract		Translation Readily Available	
						Enclosed	No	Enclose	No
	PR	0141006	01/1984	Europe	Sakamoto et al.				
	QR								
	RR								
	SR								
	TR								
	UR								
	VR								
	WR								
	XR								
	YR								

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